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CLAIMS

What is claimed is:

- 1. A method of selecting a neurogenic agent, comprising the steps of:
 - (a) obtaining a stable neural progenitor cell line;
- (b) plating undifferentiated neural progenitor cells into an assay plate;
- (c) culturing the neural progenitor cells in a serumfree, mitogen-free medium;
- (d) exposing the neural progenitor cells to a test agent; and
 - (e) measuring a change in the number of neurons.
- 2. The method of claim 1, wherein the neural progenitor cell line is derived from mammalian CNS.
- 3. The method of claim 1, wherein the neural progenitor cell line is derived from human CNS.
- 4. The method of claim 1, wherein the neural progenitor cell line is derived from human hippocampus.
- 5. The method of claim 1, wherein the neural progenitor cell line is derived from human subventricular zone.
- 6. The method of claim 1, wherein the neural progenitor cell line is derived from mammalian pluripotent or totipotent stem cells.

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- 7. The method of claim 1, wherein the neural progenitor cell line is capable of differentiating into neurons and glia.
- 8. The method of claim 1, wherein the neural progenitor cell line is capable of differentiating into neurons.
- 9. The method of claim 1, wherein the test agent is a fused imidazole, as described in Structure Formula 1.
- 10. The method of claim 1, wherein the test agent is a aminopyrimidine, as described in Structure Formula 2.
- 11. The method of claim 1, wherein the test agent is a nicotinamide, as described in Structure Formula 3.
- 12. The method of claim 1, wherein the test agent is an aminomethyl phenoxypiperidine, as described in Structure Formula 4.
- 13. The method of claim 1, wherein the test agent is an aryloxypiperidine, as described in Structure Formula 5.
- 14. A method for treating neurodegenerative and neuropsychiatric disorders comprising the step of administering a fused imidazole, as described in Structure Formula 1, to a patient in need thereof.
- 15. A method for treating neurodegenerative and neuropsychiatric disorders comprising the step of

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administering an aminopyrimidine, as described in Structure Formula 2, to a patient in need thereof.

- 16. A method for treating neurodegenerative and neuropsychiatric disorders comprising the step of administering a nicotinamide, as described in Structure Formula 3, to a patient in need thereof.
- 17. A method for treating neurodegenerative and neuropsychiatric disorders comprising the step of administering an aminomethyl phenoxypiperidine, as described in Structure Formula 4, to a patient in need thereof.
- 18. A method for treating neurodegenerative and neuropsychiatric disorders comprising the step of administering an aryloxypiperidine, as described in Structure Formula 5, to a patient in need thereof.